

Final Report

Targeted Runoff Management Grant Program and Urban Nonpoint Source
 and Storm Water Management Grant Program

Form 3400-189 (R 6/08)

dnr.wi.gov

Notice: This final report is authorized by ss. 281.65 and 281.66, Wis. Stats., and chs. NR 153 and NR 155, Wis. Adm. Code. Personally identifiable information collected will be used for program administration and may be made available to requesters as required under Wisconsin's Open Records Law [ss. 19.31-19.39, Wis. Stats.].

Instructions: Your grant agreement requires you to submit a Final Report 60 days after the end date listed in the grant agreement. This Final Report form must be used in conjunction with the "FINAL REPORT INSTRUCTIONS." The instructions detail how to complete and submit the report to DNR. The DNR prefers that Final Reports be submitted in electronic format. If, however, printed copies of Final Reports are submitted, please submit three (3) complete originals to your regional Nonpoint Coordinator.

1. Grant Type -- Please check one.

- Targeted Runoff Management Grant – Agricultural Targeted Runoff Management Grant – Urban
 Urban Nonpoint Source & Storm Water Management Grant – Construction Urban Nonpoint Source & Storm Water Management Grant -- Planning

2. Grantee & Project Information

Project Name Vandehei Farms Manure Storage	Grant Number TRC-GB01-44000-09 D
Governmental Unit Name Outagamie County	Primary Watershed Name and Watershed Code Suamico & Little Suamico River
Nearest Water Body Name	Nearest Water Body Identification Code (WBIC) (if applicable)
DNR Water Management Unit (River System) Name South Branch of Suamico River	s. 303 (d) Listed Waterbody? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No.

What pollutant(s) were addressed by the project (e.g., nitrogen, phosphorus, sediment, thermal control, etc.)?

Nitrogen, phosphorus

For each project site location provide the following: (attach additional sheets if necessary)

Location:		A	B	C	D	E
Minor Civil Division Name (City, Township, Village, etc.)		Town of Seymour				
PLSS	Town	24N				
	Range	18E				
	Section	24				
	Quarter	NW 1/4				
	Quarter-Quarter	SW 1/4, SW 1/4				
Latitude (degrees, minutes, seconds North of Equator; use the DNR's Surface Water Data Viewer, SWDV)		44 deg 32 min 17.0 sec N				
Longitude (degrees, minutes, seconds W of Prime Meridian, use the SWDV)		88 deg 15 min 55.3 sec W				
Property Owner(s)	Name	Allen Vandehei				
	Mailing address	N8370 Cty Y	Seymour WI 54165			
Site address (Not mailing address)		same				

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3. Summary of Results

A. Performance Standards and Prohibitions and Other Water Resources Management Priorities

For grants issued in calendar year 2006 or later, complete Tables A and B (following) consistent with the entries on your grant application.

TABLE A. PERFORMANCE STANDARDS AND PROHIBITIONS (per ch. NR 151, Wis. Adm. Code, effective October 1, 2002)

Performance Standard or Prohibition	Units of Measure	Quantity	Measurement Method Used
Sheet, rill and wind erosion	Acres meeting T		
Manure Storage Facilities: New Construction/Alterations	Number of facilities	1	each
	Number of animal units	560	each
Manure Storage Facilities: Closure	Number of facilities		
Manure Storage Facilities: Failing/Leaking Facilities	Number of facilities		
	Number of animal units		
Clean Water Diversions in WQMA	Pollutant load reduction		
	Number of farms with diversions		
	Number animal units		
Nutrient Management on Agricultural Land	Acres planned		
Prohibition: Manure Storage Overflow	Number of facilities		
	Number of animal units		
Prohibition: Unconfined Manure Pile in WQMA	Number of farms		
Prohibition: Direct Runoff From Feedlot/Stored Manure	Pollutant load reduction		
	Number of facilities		
	Number of animal units		
Prohibition: Unlimited Livestock Access	Feet of bank protected		
	Number of farms		
Urban: 20-40% Reduction in Total Suspended Solids (TSS)	Pounds TSS reduced		
	% TSS reduction		

TABLE B. OTHER WATER RESOURCES MANAGEMENT PRIORITIES

I. Agricultural Areas	Units of Measure	Quantity	Measurement Method Used
Buffers	Feet of bank protected		
	Number of farms		
Streambank	Tons of bank erosion reduced		
	Feet of bank protected		
Other (specify)			
II. Developed Urban Areas	Units of Measure	Quantity	Measurement Method Used
Urban: 20-40% Reduction in TSS	Pounds TSS reduced		
	% TSS reduction		
Infiltration	% Pre-development stay-on volume		
	Cubic feet stay-on volume		
Peak flow discharge	Change in cubic feet per second		
Protective areas	Feet of bank protected		
Fueling & maintenance areas	Oily sheen presence		
Streambank	Tons of bank erosion reduced		
	Feet of bank protected		
Other (specify)			
III. Planning	Units of Measure	Quantity	Measurement Method Used
Quantify how implementation of the planning project decreased storm water impacts on state waters (<i>i.e.</i> , storm water plan, I & E plan, <i>etc.</i>)	Municipalities planned for		
	Acres planned for		
Document/track progress made in implementing the planning product (<i>i.e.</i> , ordinance, utility district evaluation/formation, storm water management plan information & education, <i>etc.</i>)	Municipalities planned for		
	Acres planned for		

Other (specify)			
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B. Project Results Narrative

A manure storage facility was constructed along with a manure transfer system. This provides for 8 months storage thereby allowing for the manure to be land applied according to a 590 Nutrient Management Plan.

4. Satisfaction of Notice Requirements (if applicable)

If cost sharing for this project was offered under a formal notice to achieve compliance with performance standards or prohibitions, provide information for each notice in the table below.

Notice Information				Notice Satisfaction Information		
Notice Type	Issue Date	From (Name)	To (Name)	Satisfied?		Date Letter Sent
				Yes	No	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	
				<input type="checkbox"/>	<input type="checkbox"/>	

5. Summary of Project Challenges

This project had soil limitations that had to be monitored during construction. There were also set backs from an intermittent channel.

6. Additional Information about the Project (optional)

The soils were monitored closely during construction and they met all NRCS/USDA standards.

7. Final Product(s) -- All Projects

A. Construction Projects

- A.1. Checking here indicates that a printed copy of project plans and specifications was sent to your DNR Regional Nonpoint Source Coordinator.
- A.2. Checking here indicates that photo-documentation of the project's construction is attached.

B. Planning Projects

- B.1. Checking here indicates that a printed copy of the planning product (e.g., plans, ordinances, analyses) was sent to your DNR Regional Nonpoint Source Coordinator.
- B.2. Checking here indicates that the Regional Nonpoint Source Coordinator has approved the final Planning Product(s).
- B.3. Checking here indicates that your governmental unit has adopted the final Planning Product(s).

Name of Planning Document(s)	Date(s) effective	Date Submitted to NPS Coordinator
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8. Grantee Certification:

- Checking here certifies that, to the best of your knowledge, the information contained in this report is correct and true.

Type or print Name and Title of Authorized Representative certifying here.

Quint Krueger

Signature of Authorized Representative

Quint Krueger

Date

7-7-09

9. FOR DEPARTMENTAL USE ONLY

REGIONAL NONPOINT COORDINATOR -- Please complete the following:

- Checking here indicates that you received either planning or construction plans and specifications from the project sponsor, as appropriate. Attach a copy of the approval.
- Checking here indicates that you approved the final construction. Attach a copy of the final construction approval.
- Checking here indicates that you have approved the final Planning Product(s).
- Check here if two (2) signed, original copies of the Final Report and attachments have been sent to Runoff Management Section Grants Coordinator. Note: Regional Nonpoint Source Coordinator may retain one (1) copy of the signed, original Final Report.

Type or print Name of Regional Nonpoint Coordinator

Liz Spoth-Werner

Signature of Regional Nonpoint Coordinator



Date

7-14-09

Van de Hei TRM Grant Site
N8370 CTY Y Seymour, WI 54165
April 29, 2009
Site visit- Nick Peltier

This farm received a TRM grant to install manure storage and manure transfer.



Time of Photo: 1:08 pm

Photo#:1

Photo Depicts: The area behind the milking barn where solid manure is stacked

Investigating Officer: Nick Peltier

Photo Taken By: Nick Peltier

Approximate Distance: 70 ft

Direction Pointed: South

Notes:



Time of Photo: 1:09 pm

Photo#:2

Photo Depicts: New manure storage built with TRM grant money.

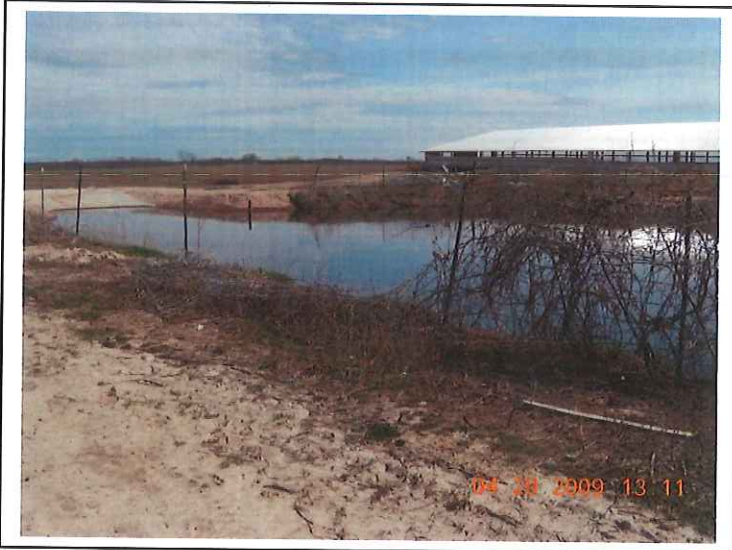
Investigating Officer: Nick Peltier

Photo Taken By: Nick Peltier

Approximate Distance: 50 ft

Direction Pointed: North

Notes: The existing storage acts as stage one, once that stage is full, manure gravity flows into this stage



Time of Photo: 1:11 pm

Photo#:3

Photo Depicts: Stage one (existing pit) of the manure storage system

Investigating Officer: Nick Peltier

Photo Taken By: Nick Peltier

Approximate Distance: 50 ft

Direction Pointed: Southeast

Notes: Manure was originally pushed into this cell from the barn. A pump system is now installed.



Time of Photo: 1:15 pm

Photo#:4

Photo Depicts: A drainage way adjacent to the feed storage

Investigating Officer: Nick Peltier

Photo Taken By: Nick Peltier

Approximate Distance: 20 ft

Direction Pointed: west

Notes: The county stated a biofilter may be used here to control leachate



Time of Photo: 1:16 pm

Photo#:5

Photo Depicts: Leachate and other barn yard runoff reaching the road ditch

Investigating Officer: Nick Peltier

Photo Taken By: Nick Peltier

Approximate Distance: 100 ft

Direction Pointed: West

Notes: There is a lot of feed and leachate draining to the road ditch